IN THE CLAIMS

Please replace any previous listing of the claims with the following replacement listing of the claims:

Replacement Listing of the Claims

1. (currently amended) An optoelectronic assembly comprising:

an optical emitter for emitting light along a main optical path, wherein the optical emitter is mounted on a first substrate;

a mouldable, substantially rigid optical light guide have a first end for receiving a small proportion of the light from the main optical path and a second end, wherein the optical light guide includes a structural feature to facilitate interception of the light from the main optical path, wherein said structural feature comprises an angled facet; and

a photodetector located adjacent the second end of the optical light guide for receiving light there from, wherein the photodetector is mounted on a second substrate.

2. (previously presented) An optoelectronic assembly according to claim 1, wherein the optical light guide is mounted on the first substrate.

3. (canceled)

4. (previously presented) An optoelectronic assembly according to claim 1, including a plurality of mouldable, substantially rigid optical guides, and a plurality of photodetectors, wherein the plurality of optical light guides each has a second end located adjacent at a respective one of the photodetectors.

5. (previously presented) An optoelectronic assembly according to claim 4,

wherein the plurality of photodetectors is mounted as an array on the second substrate.

6. (previously presented) An optoelectronic assembly according to claim 5, wherein the plurality of optical light guides is manufactured as a single assembly.

7. (currently amended) An optoelectronic assembly comprising:

an optical emitter for emitting light along a main optical path,

a mouldable, substantially rigid optical light guide have a first end for receiving a small proportion of the light from the main optical path and a second end, and

a photodetector located adjacent the second end of the optical light guide for receiving light there from, wherein the optical light guide includes a structural feature to facilitate interception of the light from the main optical path, wherein said structural feature comprises an angled facet.

8. (currently amended) An optoelectronic assembly ~~according to claim 1, further~~ comprising:

an optical emitter for emitting light along a main optical path, wherein the optical emitter is mounted on a first substrate;

a mouldable, substantially rigid optical light guide have a first end for receiving a small proportion of the light from the main optical path and a second end, wherein the optical light guide includes a structural feature to facilitate interception of the light from the main optical path; and

a photodetector located adjacent the second end of the optical light guide for receiving light there from, wherein the photodetector is mounted on a second substrate; and

a beam splitter for splitting a small proportion of light from the main optical path into a secondary light path, wherein the first end of the optical light guide is

positioned in the secondary light path.

9. (previously presented) An optoelectronic assembly according to claim 1, wherein the optical light guide is made from a stable, low absorption plastics material.

10. (previously presented) An optoelectronic assembly according to claim 2, wherein the optical light guide includes a fiducial to facilitate alignment of the light guide to the first substrate.

11. (previously presented) An optoelectronic assembly according to claim 7, wherein the optical emitter, the photodetector and the optical light guide are mounted on a substrate, and the photodetector is arranged at a periphery of the substrate.

12. (previously presented) An optoelectronic assembly according to claim 7, including a plurality of mouldable, substantially rigid optical guides, and a plurality of photodetectors, wherein the plurality of optical light guides each has a second end located adjacent at a respective one of the photodetectors.

13. (previously presented) An optoelectronic assembly according to claim 12, wherein the plurality of photodetectors is mounted as an array adjacent a periphery of the substrate.

14. (previously presented) An optoelectronic assembly according to claim 13, wherein the plurality of optical light guides is manufactured as a single assembly for mounting to the substrate.

15. (currently amended) An optoelectronic assembly ~~according to claim 7, further comprising~~ comprising:

an optical emitter for emitting light along a main optical path,

a mouldable, substantially rigid optical light guide have a first end for receiving a small proportion of the light from the main optical path and a second end, and

a photodetector located adjacent the second end of the optical light guide for receiving light there from, wherein the optical light guide includes a structural feature to facilitate interception of the light from the main optical path; and

a beam splitter for splitting a small proportion of light from the main optical path into a secondary light path, wherein the first end of the optical light guide is positioned in the secondary light path.

16. (previously presented) An optoelectronic assembly according to claim 7, wherein the optical light guide is made from a stable, low absorption plastics material.

17. (previously presented) An optoelectronic assembly according to claim 7, wherein the optical light guide includes a fiducial to facilitate alignment of the light guide to a substrate.

18 and 19. (canceled)

20. (currently amended) An optoelectronic assembly ~~according to claim 1,~~ comprising:

an optical emitter for emitting light along a main optical path, wherein the optical emitter is mounted on a first substrate;

a mouldable, substantially rigid optical light guide have a first end for receiving a small proportion of the light from the main optical path and a second end, wherein the optical light guide includes a structural feature to facilitate interception of the light from the main optical path; and

a photodetector located adjacent the second end of the optical light guide for receiving light there from, wherein the photodetector is mounted on a second substrate, wherein said first substrate contains optical feed through of said small proportion of the light without electrical feed through to said photodetector on said second substrate, and wherein said second substrate contains said optical feed through of said optical light guide and an electrical feed through from said photodetector.